

Lumiled – ERP Cross Reference

PHILIPS LUMILEDS

	Current (mA)																										
	200	250	280	285	300	350	400	450	460	500	550	620	700	800	850	900	1000	1050	1200	1400	1600	1750	1800	1900	2000	2100	2300
LHC1-xxxx-1202	✓	✓	✓	✓	✓	✓	✓																				
LHC1-xxxx-1203					✓	✓	✓	✓	✓	✓	✓	✓															
LHC1-xxxx-1204								✓	✓	✓	✓	✓	✓	✓	✓	✓											
LHC1-xxxx-1205												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LHC1-xxxx-1208																✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LHC1-xxxx-1211																				✓	✓	✓	✓	✓	✓	✓	✓
LHC1-xxxx-1202CRSP	✓	✓	✓	✓	✓																						
LHC1-xxxx-1203CRSP					✓	✓	✓	✓																			
LHC1-xxxx-1204CRSP								✓	✓	✓	✓	✓	✓														
LHC1-xxxx-1205CRSP												✓	✓	✓	✓	✓											
LHC1-xxxx-1208CRSP																✓	✓	✓	✓	✓							
LHC1-xxxx-1211CRSP																				✓	✓	✓	✓	✓	✓	✓	✓

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Philips Luxeon COB LED Specification				ERP LED DRIVER SPECIFICATION								
Luxeon Product Name	Driver Output Current (mA)	Min Output Vf (VDC)	Max Output Vf (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)
LHC1-XXXX-1202: 200 mA (typical current), 400 mA (max current)												
1202@200mA	200	<=33	>=38	EBR010U-0200-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	200	8.4	30	37.8	42
				EBR010E-0200-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	200	8.4	30	37.8	42
1202@250mA	250	<=33	>=38	EBR010U-0250-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	250	10.5	30	37.8	42
				EBR010E-0250-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	250	10.5	30	37.8	42
				ESS010W-0250-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	250	10.5	24	37.8	42
1202@280mA	280	<=33	>=38	ESM020W-0280-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	280	11.8	24	37.8	42
1202@285mA	285	<=33	>=38	EBR015U-0285-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	285	12.0	30	37.8	42
1202@300mA	300	<=33	>=38	EBR015U-0300-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
				EBR015E-0300-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
				ESS015W-0300-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	300	12.6	24	37.8	42
1202@350mA	350	<=33	>=38	EBR015U-0350-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
				EBR015E-0350-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
				ERPO20W-0350-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	350	14.7	31.5	39	42
				ESM020W-0350-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
				ESS015W-0350-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
1202@400mA	400	<=33	>=38	EBR020U-0400-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42
				EBR020E-0400-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42
				ESS020W-0400-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	400	16.8	24	37.8	42

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LHC1-xxxx-1202

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Philips Luxeon COB LED Specification				ERP LED DRIVER SPECIFICATION								
Luxeon Product Name	Driver Output Current (mA)	Min Output Vf (VDC)	Max Output Vf (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)
LHC1-XXXX-1203: 300 mA (typical current), 600 mA (max current)												
1203@300mA	300	<=33	>=38	EBR015U-0300-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
				EBR015E-0300-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
				ESS015W-0300-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	300	12.6	24	37.8	42
1203@350mA	350	<=33	>=38	EBR015U-0350-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
				EBR015E-0350-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
				ERPO20W-0350-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	350	14.7	31.5	39	42
				ESM020W-0350-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
				ESS015W-0350-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
1203@400mA	400	<=33	>=38	EBR020U-0400-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42
				EBR020E-0400-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42
				ESS020W-0400-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	400	16.8	24	37.8	42
1203@450mA	450	<=33	>=38	ERPO20W-0450-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	450	18.9	31.5	39	42
				ESS020W-0450-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	450	18.9	24	37.8	42
1203@460mA	460	<=33	>=38	EBR020U-0460-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	460	19.3	30	37.8	42
1203@500mA	500	<=33	>=38	EBR020U-0500-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42
				EBR020E-0500-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42
				ESM030W-0500-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42
				ESS030W-0500-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42
				ERPO30W-0550-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	550	23.1	31.5	39	42
1203@550mA	550	<=33	>=38	ESM030W-0550-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42
				ESS030W-0550-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42

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LHC1-xxxx-1203

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Philips Luxeon COB LED Specification				ERP LED DRIVER SPECIFICATION									
Luxeon Product Name	Driver Output Current (mA)	Min Output Vf (VDC)	Max Output Vf (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)	
LHC1-XXXX-1204: 450 mA (typical current), 900 mA (max current)													
1204@450mA	450	<=33	>=38	ERP020W-0450-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	450	18.9	31.5	39	42	
				ESS020W-0450-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	450	18.9	24	37.8	42	
1204@460mA	460	<=33	>=38	EBR020U-0460-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	460	19.3	30	37.8	42	
				EBR020U-0500-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42	
1204@500mA	500	<=33	>=38	EBR020E-0500-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42	
				ESM030W-0500-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42	
				ESS030W-0500-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42	
				ERP030W-0550-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	550	23.1	31.5	39	42	
1204@550mA	550	<=33	>=38	ESM030W-0550-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42	
				ESS030W-0550-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42	
				ERP030W-0620-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	620	26.0	24	37.8	42	
1204@620mA	620	<=33	>=38	ERP030W-0700-38.5	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	700	26.95	29	35.8	38.5	
1204@700mA	700	<=33	>=38	ESM030W-0700-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	700	29.4	24	37.8	42	
				ESS030W-0700-39	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	700	27.3	27	35.1	39	
				ERP040W-0800-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	800	33.6	31.5	39	42	
1204@800mA	800	<=33	>=38	ESM040W-0800-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42	
				ESP040W-0800-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42	
				ERP040W-0850-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	850	35.7	31.5	39	42	
1204@850mA	850	<=33	>=38	ESM040W-0850-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42	
				ESP040W-0850-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42	
				ERP040W-0900-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	900	37.8	31.5	39	42	
1204@900mA	900	<=33	>=38	ESM040W-0900-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42	
				ESP040W-0900-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42	

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LHC1-xxxx-1204

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Philips Luxeon COB LED Specification				ERP LED DRIVER SPECIFICATION								
Luxeon Product Name	Driver Output Current (mA)	Min Output Vf (VDC)	Max Output Vf (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)
LHC1-XXXX-1205: 600 mA (typical current), 1200 mA (max current)												
1205@620mA	620	<=33	>=38	ESS030W-0620-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	620	26.0	24	37.8	42
1205@700mA	700	<=33	>=38	ERP030W-0700-38.5	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	700	26.95	29	35.8	38.5
				ESM030W-0700-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	700	29.4	24	37.8	42
				ESS030W-0700-39	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	700	27.3	27	35.1	39
1205@800mA	800	<=33	>=38	ERP040W-0800-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	800	33.6	31.5	39	42
				ESM040W-0800-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42
				ESP040W-0800-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42
1205@850mA	850	<=33	>=38	ERP040W-0850-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	850	35.7	31.5	39	42
				ESM040W-0850-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42
				ESP040W-0850-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42
1205@900mA	900	<=33	>=38	ERP040W-0900-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	900	37.8	31.5	39	42
				ESM040W-0900-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
				ESP040W-0900-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
1205@1000mA	1000	<=33	>=38	ELM040W-1000-38	120 & 277 Vac, 84% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	10-100%	1000	38	24	34.2	38
1205@1050mA	1050	<=33	>=38	ERM050W-1050-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1050	44.1	32	37.8	42
				ERP040W-1050-38	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	1050	39.9	28.5	35.3	38
				ESM050W-1050-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
				ESP050W-1050-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
1205@1200mA	1200	<=33	>=38	ERM050W-1200-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1200	50.4	32	37.8	42
				ESM050W-1200-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
				ESP050W-1200-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42

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LHC1-xxxx-1205

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Philips Luxeon COB LED Specification				ERP LED DRIVER SPECIFICATION								
Luxeon Product Name	Driver Output Current (mA)	Min Output Vf (VDC)	Max Output Vf (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)
LHC1-XXXX-1208: 900 mA (typical current), 1800 mA (max current)												
1208@900mA	900	<=33	>=38	ERPO40W-0900-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	900	37.8	31.5	39	42
				ESM040W-0900-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
				ESPO40W-0900-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
1208@1000mA	1000	<=33	>=38	ELM040W-1000-38	120 & 277 Vac, 84% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	10-100%	1000	38	24	34.2	38
1208@1050mA	1050	<=33	>=38	ERM050W-1050-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1050	44.1	32	37.8	42
				ERPO40W-1050-38	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	1050	39.9	28.5	35.3	38
				ESM050W-1050-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
				ESPO50W-1050-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
1208@1200mA	1200	<=33	>=38	ERM050W-1200-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1200	50.4	32	37.8	42
				ESM050W-1200-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
				ESPO50W-1200-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
1208@1400mA	1400	<=33	>=38	ELM050W-1400-38	120 & 277 Vac, 84% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	10-100%	1400	53.2	24	34.2	38
				EVM060W-1400-42-COB	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1400	58.8	30	37.8	42
				ESPO60W-1400-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1400	58.8	24	37.8	42
1208@1600mA	1600	<=33	>=38	ERM060W-1600-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1600	67.2	32	37.8	42
1208@1750mA	1750	<=33	>=38	ERM060W-1750-40	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1750	70.0	30	36	40
1208@1800mA	1800	<=33	>=38	EVB080W-1800S-42	120-277 Vac, 87% eff., Ballast Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1800	75.6	30	37.8	42
LHC1-XXXX-1211: 1200 mA (typical current), 2400 mA (max current)												
1211@1200mA	1200	<=33	>=38	ERM050W-1200-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1200	50.4	32	37.8	42
				ESM050W-1200-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
				ESPO50W-1200-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
1211@1400mA	1400	<=33	>=38	ELM050W-1400-38	120 & 277 Vac, 84% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	10-100%	1400	53.2	24	34.2	38
				EVM060W-1400-42-COB	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1400	58.8	30	37.8	42
				ESPO60W-1400-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1400	58.8	24	37.8	42
1211@1600mA	1600	<=33	>=38	ERM060W-1600-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1600	67.2	32	37.8	42
1211@1750mA	1750	<=33	>=38	ERM060W-1750-40	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1750	70.0	30	36	40
1211@1800mA	1800	<=33	>=38	EVB080W-1800S-42	120-277 Vac, 87% eff., Ballast Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1800	75.6	30	37.8	42
1211@1900mA	1900	<=33	>=38	EVM080W-1900-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1900	79.8	30	37.8	42
1211@2000mA	2000	<=33	>=38	EVM090W-2000-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	2000	84.0	30	37.8	42
1211@2100mA	2100	<=33	>=38	EVM100W-2100-45	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	2100	94.5	32	40.5	45
1211@2300mA	2300	<=33	>=38	EVB100W-2300S-40	120-277 Vac, 87% eff., Ballast Metal Case	Forward/Reverse Phase & 0-10V	1-100%	2300	92.0	30	38.8	40

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LHC1-xxxx-1208



LHC1-xxxx-1211

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Philips Luxeon COB LED Specification				ERP LED DRIVER SPECIFICATION								
Luxeon Product Name	Driver Output Current (mA)	Min Output Vf (VDC)	Max Output Vf (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)
LHC1-XXXX-1202CRSP: 200 mA (typical current), 300 mA (max current)												
1202CRSP@200mA	200	<=33	>=38	EBR010U-0200-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	200	8.4	30	37.8	42
				EBR010E-0200-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	200	8.4	30	37.8	42
1202CRSP@250mA	250	<=33	>=38	EBR010U-0250-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	250	10.5	30	37.8	42
				EBR010E-0250-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	250	10.5	30	37.8	42
				ESS010W-0250-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	250	10.5	24	37.8	42
1202CRSP@280mA	280	<=33	>=38	ESM020W-0280-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	280	11.8	24	37.8	42
1202CRSP@285mA	285	<=33	>=38	EBR015U-0285-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	285	12.0	30	37.8	42
1202CRSP@300mA	300	<=33	>=38	EBR015U-0300-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
				EBR015E-0300-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
				ESS015W-0300-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	300	12.6	24	37.8	42
LHC1-XXXX-1203CRSP: 300 mA (typical current), 450 mA (max current)												
1203CRSP@300mA	300	<=33	>=38	EBR015U-0300-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
				EBR015E-0300-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
				ESS015W-0300-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	300	12.6	24	37.8	42
1203CRSP@350mA	350	<=33	>=38	EBR015U-0350-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
				EBR015E-0350-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
				ERP020W-0350-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	350	14.7	31.5	39	42
				ESM020W-0350-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
				ESS015W-0350-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
1203CRSP@400mA	400	<=33	>=38	EBR020U-0400-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42
				EBR020E-0400-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42
				ESS020W-0400-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	400	16.8	24	37.8	42
1203CRSP@450mA	450	<=33	>=38	ERP020W-0450-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	450	18.9	31.5	39	42
				ESS020W-0450-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	450	18.9	24	37.8	42

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LHC1-xxxx-1202CRSP



LHC1-xxxx-1203CRSP

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Philips Luxeon COB LED Specification				ERP LED DRIVER SPECIFICATION									
Luxeon Product Name	Driver Output Current (mA)	Min Output Vf (VDC)	Max Output Vf (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)	
LHC1-XXXX-1204CRSP: 450 mA (typical current), 675 mA (max current)													
1204CRSP@450mA	450	<=33	>=38	ERPO20W-0450-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	450	18.9	31.5	39	42	
				ESS020W-0450-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	450	18.9	24	37.8	42	
1204CRSP@460mA	460	<=33	>=38	EBR020U-0460-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	460	19.3	30	37.8	42	
1204CRSP@500mA	500	<=33	>=38	EBR020U-0500-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42	
				EBR020E-0500-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42	
				ESM030W-0500-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42	
				ESS030W-0500-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42	
1204CRSP@550mA	550	<=33	>=38	ERPO30W-0550-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	550	23.1	31.5	39	42	
				ESM030W-0550-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42	
				ESS030W-0550-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42	
1204CRSP@620mA	620	<=33	>=38	ESS030W-0620-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	620	26.0	24	37.8	42	
LHC1-XXXX-1205CRSP: 600 mA (typical current), 900 mA (max current)													
1205CRSP@620mA	620	<=33	>=38	ESS030W-0620-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	620	26.0	24	37.8	42	
1205CRSP@700mA	700	<=33	>=38	ERPO30W-0700-38.5	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	700	26.95	29	35.8	38.5	
				ESM030W-0700-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	700	29.4	24	37.8	42	
				ESS030W-0700-39	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	700	27.3	27	35.1	39	
1205CRSP@800mA	800	<=33	>=38	ERPO40W-0800-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	800	33.6	31.5	39	42	
				ESM040W-0800-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42	
				ESPO40W-0800-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42	
1205CRSP@850mA	850	<=33	>=38	ERPO40W-0850-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	850	35.7	31.5	39	42	
				ESM040W-0850-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42	
				ESPO40W-0850-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42	
1205CRSP@900mA	900	<=33	>=38	ERPO40W-0900-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	900	37.8	31.5	39	42	
				ESM040W-0900-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42	
				ESPO40W-0900-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42	

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LHC1-xxxx-1204CRSP



LHC1-xxxx-1205CRSP

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Philips Luxeon COB LED Specification				ERP LED DRIVER SPECIFICATION								
Luxeon Product Name	Driver Output Current (mA)	Min Output Vf (VDC)	Max Output Vf (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)
LHC1-XXXX-1208CRSP: 900 mA (typical current), 1350 mA (max current)												
1208CRSP@900mA	900	<=33	>=38	ERP040W-0900-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	900	37.8	31.5	39	42
				ESM040W-0900-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
				ESP040W-0900-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
1208CRSP@1000mA	1000	<=33	>=38	ELM040W-1000-38	120 & 277 Vac, 84% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	10-100%	1000	38	24	34.2	38
				ERM050W-1050-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1050	44.1	32	37.8	42
1208CRSP@1050mA	1050	<=33	>=38	ERP040W-1050-38	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	1050	39.9	28.5	35.3	38
				ESM050W-1050-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
				ESP050W-1050-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
				ERM050W-1200-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1200	50.4	32	37.8	42
1208CRSP@1200mA	1200	<=33	>=38	ESM050W-1200-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
				ESP050W-1200-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42

LHC1-XXXX-1211CRSP: 1200 mA (typical current), 1800 mA (max current)												
1211CRSP@1200mA	1200	<=33	>=38	ERM050W-1200-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1200	50.4	32	37.8	42
				ESM050W-1200-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
				ESP050W-1200-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
1211CRSP@1400mA	1400	<=33	>=38	ELM050W-1400-38	120 & 277 Vac, 84% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	10-100%	1400	53.2	24	34.2	38
				EVM060W-1400-42-COB	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1400	58.8	30	37.8	42
				ESP060W-1400-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1400	58.8	24	37.8	42
1211CRSP@1600mA	1600	<=33	>=38	ERM060W-1600-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1600	67.2	32	37.8	42
1211CRSP@1750mA	1750	<=33	>=38	ERM060W-1750-40	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1750	70.0	30	36	40
1211CRSP@1800mA	1800	<=33	>=38	EV080W-1800S-42	120-277 Vac, 87% eff., Ballast Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1800	75.6	30	37.8	42

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LHC1-xxxx-1208CRSP



LHC1-xxxx-1211CRSP